

4.2.F. 05130204060

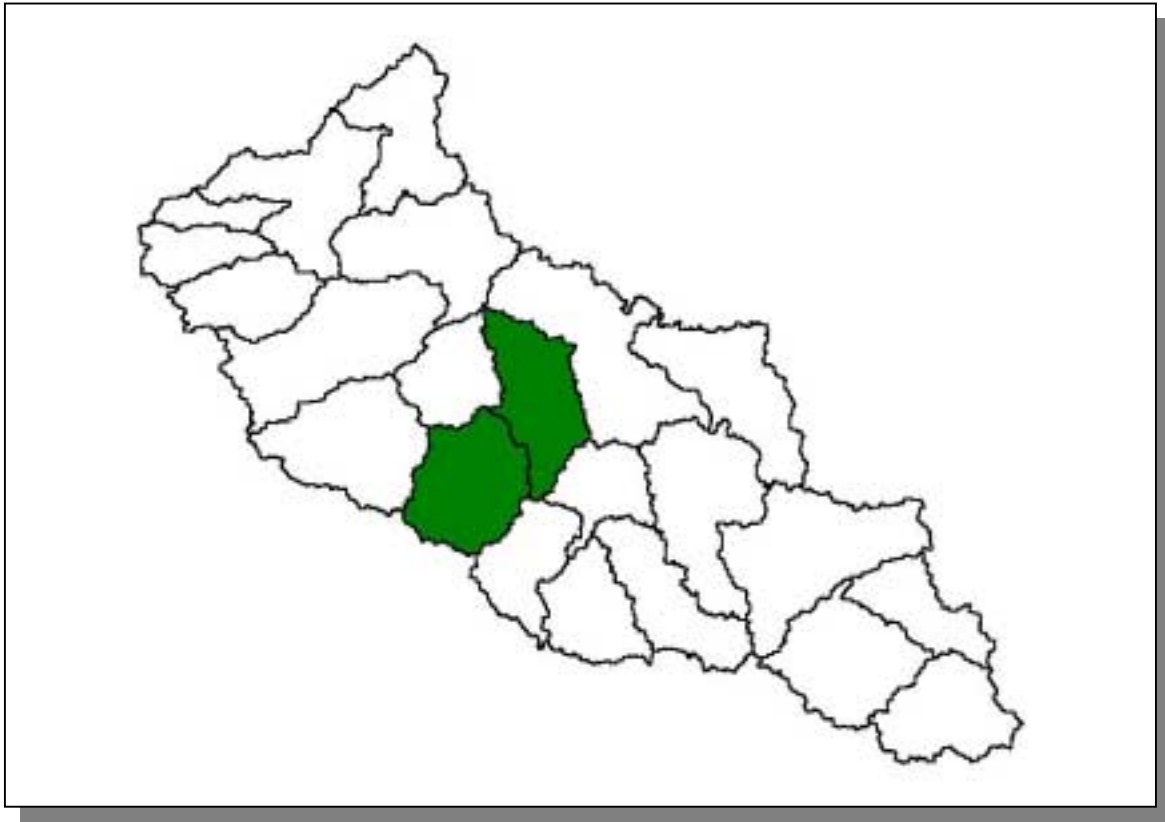


Figure 4-37. Location of Subwatershed 05130204060. All Harpeth HUC-14 subwatershed boundaries are shown for reference.

4.2.F.i. General Description.

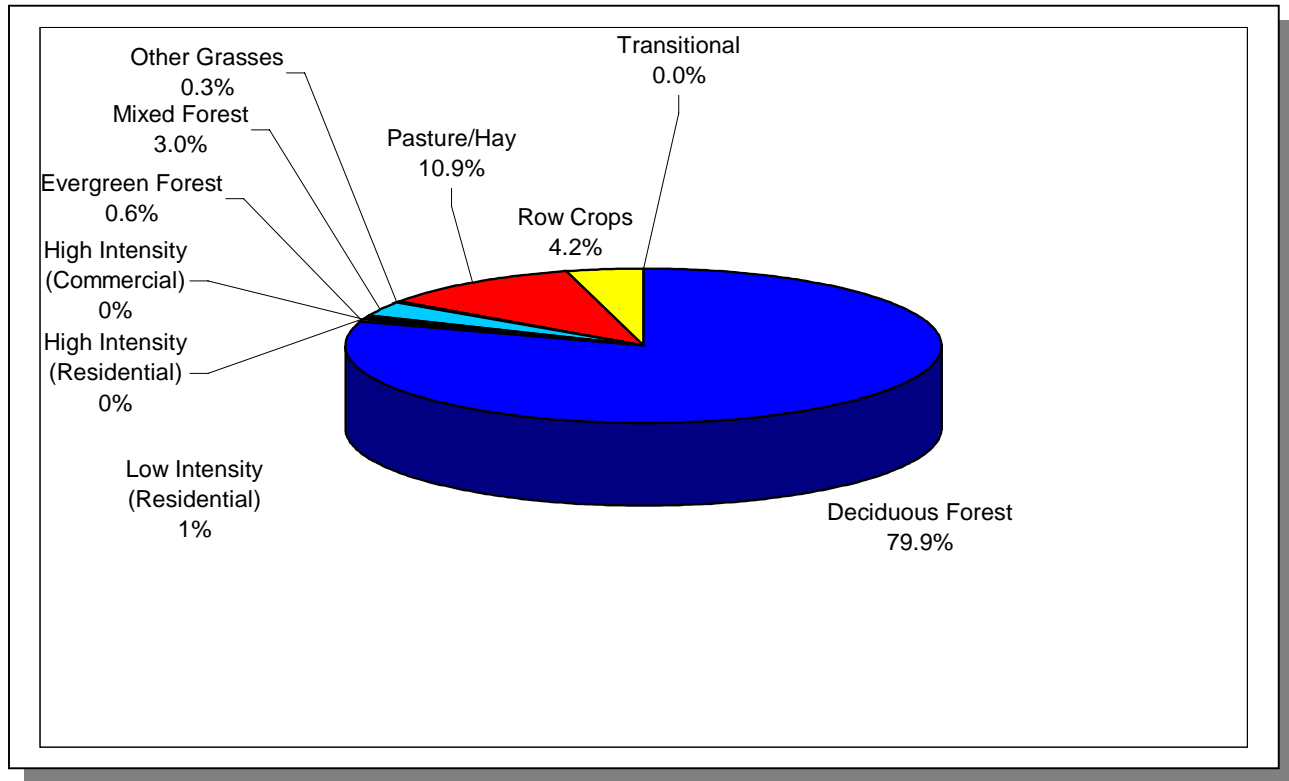


Figure 4-38. Land Use Distribution in Subwatershed 05130204060. More information is provided in Harpeth-Appendix IV.

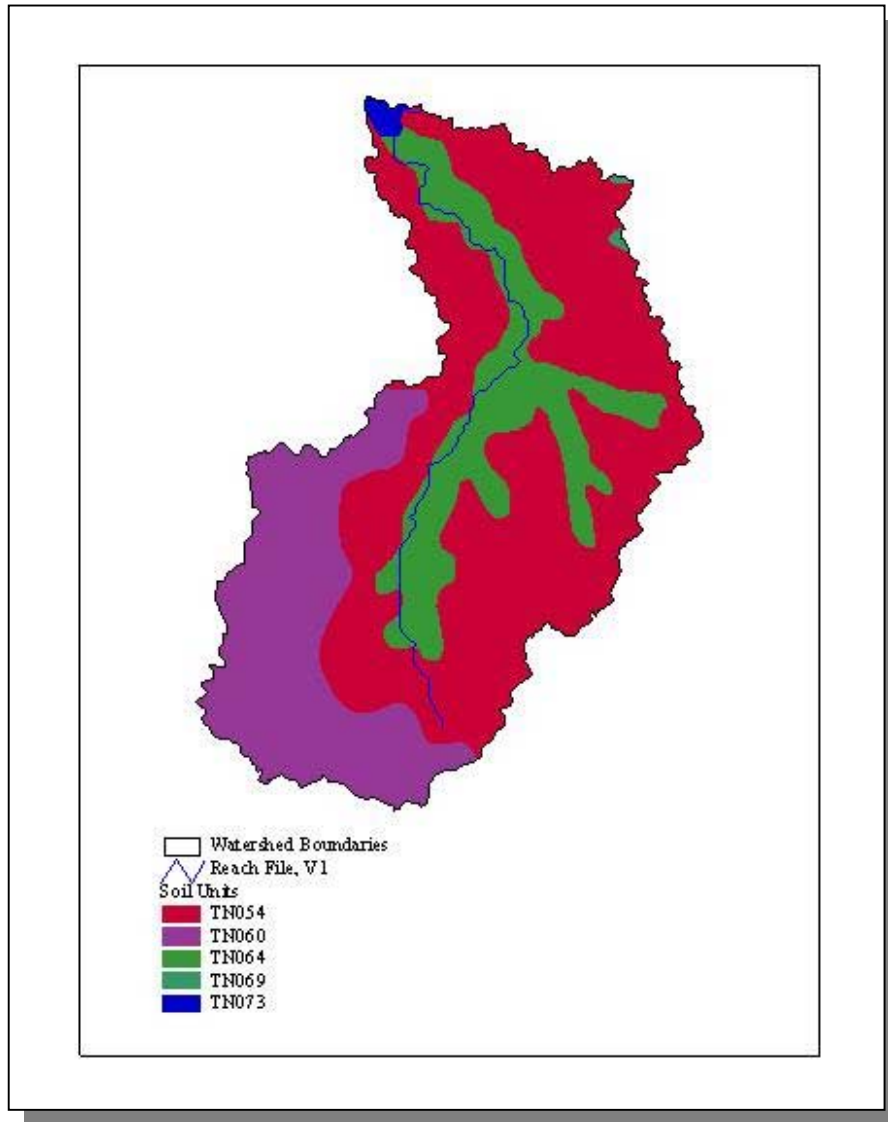


Figure 4-39. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 05130204060.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hr)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN054	0.00	C	3.04	4.84	Loam	0.32
TN060	5.00	B	1.30	5.32	Silty Loam	0.39
TN064	7.00	C	1.19	5.82	Silty Loam	0.37
TN069	0.00	C	2.06	5.36	Loam	0.34
TN073	0.00	B	2.97	5.21	Loam	0.34

Table 4-40. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 05130204060. More information is provided in Harpeth-Appendix IV.

County	TOTAL COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		PERCENT CHANGE
	1990	1997 Est.		1990	1997	
Cheatham	27,140	34,402	1.46	397	503	26.7
Davidson	510,784	535,032	2.59	13,232	13,860	4.7
Williamson	81,021	111,453	10.87	8,805	12,112	37.6
Totals	618,945	680,887		22,434	26,475	18.0

Table 4-41. Population Estimates in Subwatershed 05130204060.

Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Fairview	Williamson	4,210	1,479	833	640	6
Nashville-Davidson	Davidson	488,518	219,521	203,640	15,576	305
Pegram	Cheatham	1,371	535	20	510	5
Totals		494,099	211,535	204,493	16,726	316

Table 4-42. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 05130204060.



Figure 4-40. Location of Historical Streamflow Data Collection Sites in Subwatershed 05130204060. Subwatershed 05130204040010 and 05130204040020 boundaries are shown for reference. More information is provided in Harpeth-Appendix IV.

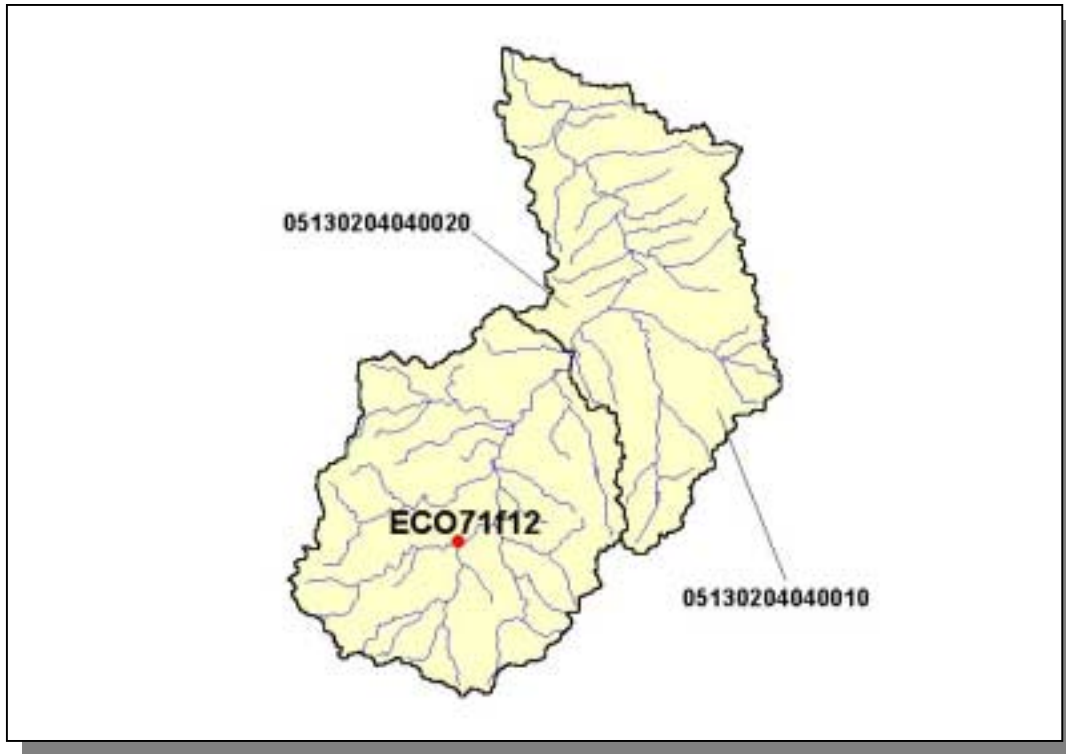


Figure 4-41. Location of STORET Monitoring Sites in Subwatershed 05130204060. Subwatershed 051302040010 and 051302040020 boundaries are shown for reference. More information is provided in Harpeth-Appendix IV.

4.2.F.ii. Point Source Contributions.

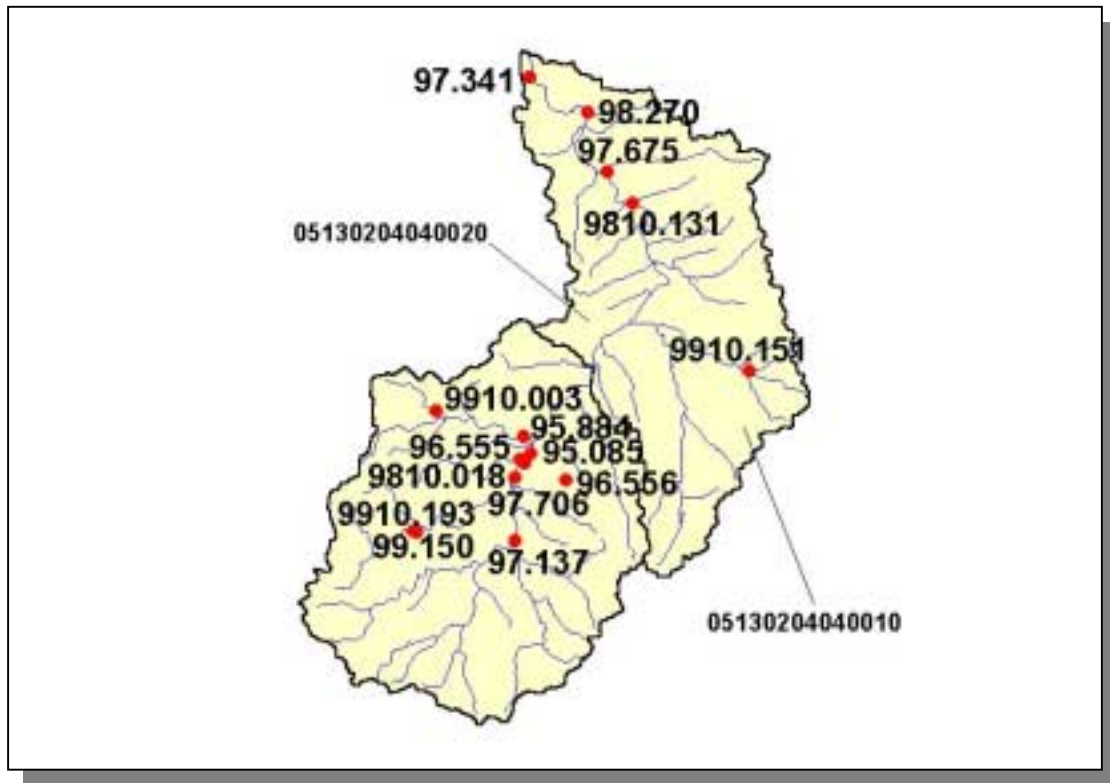


Figure 4-42. Location of ARAP Sites (Individual Permits) in Subwatershed 05130204060. Subwatershed 05130204040010 and 05130204040020 boundaries are shown for reference. More information is provided in Harpeth-Appendix IV.

4.2.F.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)					
Beef Cow	Milk Cow	Cattle	Chickens	Hogs	Sheep
947	79	2,422	<5	133	27

Table 4-43. Summary of Livestock Count Estimates in Subwatershed 05130204060. According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Cheatham	118.2	118.2	2.3	8.4
Davidson	108.7	108.1	2.3	9.7
Williamson	142.0	142.0	1.0	3.3
Totals	368.9	368.3	5.6	21.4

Table 4-44. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 05130204060.

CROPS	TONS/ACRE/YEAR
Non Agricultural Land Use	0.00
Soybeans (Row Crops)	5.64
Grass (Hayland)	0.13
Legume (Hayland)	0.94
Grass (Pastureland)	0.56
Grass, Forbs, Legumes (Mixed (Pasture)	0.46
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.31
Corn (Row Crops)	5.60
Other Cropland not Planted	6.07
Legume Grass (Hayland)	0.15
All Other Close Grown Cropland	2.26
Tobacco (Row Crops)	6.75
Wheat (Close Grown Cropland)	1.27
Other Land in Farms	0.12
Conservation Reserve Program Land	0.12
Legume (Pastureland)	0.33

Table 4-45. Annual Estimated Total Soil Loss in Subwatershed 05130204060.